INDEX

Advanced Technology Program
Spring 2004: 21-25; *Letters,* Summer 2004: 17-18
Africa
computer technology, Africa, Spring 2003: 79-85; *Letters,* Fall 2003: 13-14
public health, international standards, Winter 2004: 57-62; *Letters,* Spring 2004: 8-10
Agardy, Tundi
coral reefs, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
Agee, James
forest fires, Fall 2003: 59-66; *Letters,* Winter 2004: 15-16
Agriculture
see also Department of Agriculture; Food science; Pesticides
biotechnology,
Spring 2003: 86-92; *Letters,* Fall 2003: 14-19
Winter 2004: 49-56; *Letters,* Spring 2004: 12-13
developing countries,
Spring 2003: 86-92; *Letters,* Fall 2003: 14-19
nuclear technology, Spring 2004: 48-54
AIDS
international public health standards,
Winter 2004: 57-62; *Letters,* Spring 2004: 8-10
Air quality
see also Climate
coal, air quality issues, Winter 2004: 63-70; *Letters,* Summer 2004: 20-21
global energy policy, Summer 2004: 84-86
hydrogen fuel, Spring 2004: 82-86; *Letters,* Summer 2004: 12-17
Air transport
electrical grid failure, comparison, Summer 2004: 55-61
Alaska
oil pollution, Fall 2003: 74-78; *Letters,* Winter 2004: 16-17
Alcaly, Roger
"New Economy", critique, Fall 2003: 82-84
Anderson, Frederick
expert panels, Spring 2003: 34-38; *Letters,* Fall 2003: 21-22
Apt, Jay
electrical grid failure, Summer 2004: 55-61
Arms control
biological weapons,
Spring 2004: 90-93
chemical weapons,
Spring 2004: 90-93
historical perspectives, Spring 2004: 37-40
mines, Spring 2003: 69-73; *Letters,* Fall 2003: 19-21
nuclear power, policy on dangers,
Spring 2004: 37-73; *Letters,* Summer 2004: 5-12
nuclear weapons,
proliferation trends,
Summer 2003: 73-75; *Letters,* Winter 2004: 18
Spring 2004: 55-60; *Letters,* Summer 2004: 9-12
Spring 2004: 61-69; *Letters,* Summer 2004: 5-9
Spring 2004: 90-93
tactical, Spring 2003: 63-68; *Letters,* Fall 2003: 8-9
terrorism,
Fall 2003: 67-73; *Letters,* Winter 2004: 13-15
Spring 2004: 37-40
Spring 2004: 41-47
Spring 2004: 55-60; *Letters,* Summer 2004: 9-12
Spring 2004: 61-69; *Letters,* Summer 2004: 5-9
Spring 2004: 70-73
Asia
R&D efforts, statistics on, Summer 2004: 75-78
Atkinson, Robert
"New Economy", historical perspectives,
Spring 2004: 93-95
Automobiles, *see* Motor vehicles

Banzhaf, H. Spencer
Bureau of Environmental Statistics, Winter 2004: 26-30; *Letters,* Spring 2004: 5-6
Beckman, Arnold,
Summer 2004: 96
Berkowitz, Bruce
cyberspace warfare,
Spring 2003: 55-62; *Letters,* Fall 2003: 7-8
Bingaman, Jeff
R&D budget,
Spring 2004: 21-25; *Letters,* Summer 2004: 17-18
Biological weapons
policy, general,
Spring 2003: 47-54; *Letters,* Fall 2003: 6-7
terrorism,
proliferation controls, Spring 2004: 90-93
Biotechnology
biological weapons,
Spring 2003: 47-54; *Letters,* Fall 2003: 6-7
coral reefs, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
developing countries, Spring 1999: 65-70; *Letters,* Spring 2003: 86-92; *Letters,* Fall 2003: 14-19
global food supply, Winter 2004: 93-95
NIH employees, outside employments,
Summer 2004: 23-24
social policy,
Winter 2004: 49-56; *Letters,* Spring 2004: 12-13

stem cell research,
Fall 2003: 27
Winter 2004: 21-22
Budget, *see* Federal budget; Funding

Canada
social cohesion and economy, Winter 2004: 87-90
Cayford, Jerry
genetically modified food, Winter 2004: 49-56; *Letters,* Spring 2004: 12-13
Chemical weapons
nonlethal, Spring 2003: 74-78; *Letters,* Fall 2003: 9-13
policy, general,
Spring 2004: 90-93
Children
see also Primary and secondary education
Internet, pornography, Winter 2004: 43-48; *Letters* Spring 2004: 5
China
greenhouse gases, Kyoto Protocol, Winter 2004: 71-78; *Letters,*
Spring 2004: 6-8
Summer 2004: 20
R&D efforts, statistics on, Summer 2004: 75-78
semiconductor trade, Winter 2004: 79-86; *Letters,* Spring 2004: 13-14
Climate
Framework Convention on Climate Change,
Summer 2004: 31-34
see also "Kyoto Protocol" infra
greenhouse gases, general,
see also "Kyoto Protocol" infra
Spring 2004: 74-81; *Letters,* Summer 2004: 12-17
Kyoto Protocol,
see also "Framework Convention on Climate Change" supra
Winter 2004: 71-78; *Letters,*
Spring 2004: 6-8
Summer 2004: 20
policy, general,
Summer 2004: 79-81
Summer 2004: 84-86
Cohen, Barney
small cities, statistics, Spring 2004: 87-89
Computers and computer science
see also Internet; Software
database copyright,
Winter 2004: 23-24
military force transformation, Summer 2004: 62-68
nanotechnology,
R&D funding, Winter 2004: 22-23
social/ethical impact, Fall 2003: 28
"New Economy", historical perspectives,
Spring 2004: 93-95
security,
Spring 2003: 55-62; *Letters,* Fall 2003: 7-8
semiconductor trade, Winter 2004: 79-86; *Letters,* Spring 2004: 13-14
supercomputing, federal promotion, Summer 2004: 25
Copyright,*see* Intellectual property
Crime, *see* Law and law enforcement

Databases
copyright,
Winter 2004: 23-24
terrorism,
cybersecurity, Spring 2003: 55-62; *Letters,* Fall 2003: 7-8
Defense
see also Arms control; Biological weapons; Chemical weapons; Central Intelligence Agency; Department of Defense; Department of Homeland Security; Nuclear weapons; Terrorism
transformation policy, Summer 2004: 62-68
Deitchman, S.J.
military force transformation, Summer 2004: 62-68
Demography
see also Immigration; Minority groups; Population; Poverty; Urban areas
Department of Agriculture
budget, FY 2005,
Spring 2004: 17-20
Department of Defense
see also U.S. Army; U.S. Air Force; U.S. Navy
R&D budget, FY 2004,
Fall 2003: 24
R&D budget, FY 2005,
Spring 2004: 17-20
terrorism, federal response, Winter 2004: 20-21
Department of Energy
budget, FY 2005,
Spring 2004: 17-20
budget, FY 2006, Summer 2004: 23
energy, market futures prediction, Spring 2004: 26-29; *Letters,* Summer 2004: 18-19
hydrogen fuel, Spring 2004: 74-81; *Letters,*
Summer 2004: 12-17
laboratories,
Fall 2003: 24-26
nuclear power, Spring 2004: 41-47
nuclear weapons,
Fall 2003: 24-26
security issues,
Winter 2004: 20-21
Department of Health and Human Services, *see* National Institutes of Health
Department of Homeland Security
budget, FY 2004,
Fall 2003: 24
budget, FY 2005,
Spring 2004: 17-20
Department of Justice
terrorism, federal response, Winter 2004: 20-21

Developing countries
biotechnology,
Spring 2003: 86-92; *Letters,* Fall 2003: 14-19
Winter 2004: 93-95
computer technology, Africa, Spring 2003: 79-85; *Letters,* Fall 2003: 13-14
food supply/shortage, Winter 2004: 93-95
funding, general, Spring 2003: 29-33; *Letters,* Fall 2003: 5-6
Dewitt, John
coal, air quality issues, Winter 2004: 63-70; *Letters,* Summer 2004: 20-21
Disasters
see also Floods
electrical grid failure, Summer 2004: 55-61
Drug policy
research on distribution/use, Summer 2004: 35-37

Ecology
see also Environmental protection; Forests and forestry; Marine resources; Wildlife
alien species, dangers,
Winter 2004: 57-62; *Letters,* Spring 2004: 8-10
biodiversity, general, Winter 2004: 90-93
rivers, Spring 2004: 31-35; *Letters,* Summer 2004: 18
Economic policy
see also Department of Commerce; Developing countries; Employment issues; Federal budget; Funding; Intellectual property; Poverty; Privatization; Trade
Advanced Technology Program,
Spring 2004: 21-25; *Letters,* Summer 2004: 17-18
climate change, Winter 2004: 71-78; *Letters,*
Spring 2004: 6-8
Summer 2004: 20
energy futures, Spring 2004: 26-29; *Letters,*
Summer 2004: 18-19
energy policy, global, Summer 2004: 84-86
environmental protection,
Winter 2004: 26-30; *Letters,* Spring 2004: 5-6
forest fires, Summer 2004: 41-48
human space flight, Summer 2004: 30-40
hydrogen fuel,
Spring 2004: 74-81; *Letters,* Summer 2004: 12-17
Spring 2004: 82-86; *Letters,* Summer 2004: 15-17
"New Economy",
critique, Fall 2003: 82-84
nuclear power,
Spring 2004: 41-47
scientists, salaries, Summer 2004: 69-74
social cohesion and, Winter 2004: 87-90
urban areas, small, Spring 2004: 87-89
Education
see also Universities
Africa, computer technology, Spring 2003: 79-85; *Letters,* Fall 2003: 13-14
humanities policy, Fall 2003: 29-32; *Letters,*
Winter 2004: 17
scientists, attrition remedies, Summer 2004: 69-74
television, popular science, Fall 2003: 23
Eisenhower, Dwight
nuclear power,
Spring 2004: 37-40
Spring 2004: 96
Eldredge, Niles
biodiversity, Winter 2004: 90-93
Electric power
see also Nuclear power
blackouts, systemic problems, Summer 2004: 55-61
hydrogen fuel and, Spring 2004: 74-81; *Letters,*
Summer 2004: 12-17
Electronics
see also Computers and computer science
nanotechnology,
R&D funding, Winter 2004: 22-23
social/ethical impact, Fall 2003: 28
Employment issues
Asian R&D efforts, statistics on, Summer 2004: 75-78
NIH employees, outside employments,
Summer 2004: 23-24
scientists, attrition remedies, Summer 2004: 69-74
urban poverty and, Spring 2004: 87-89
Energy
see also Department of Energy; Electric power; Nuclear power; Oil production and supplies
futures market, prediction of, Spring 2004: 26-29; *Letters,*
Summer 2004: 18-19
global energy policy, Summer 2004: 84-86
hydrogen fuel,
Spring 2003: 26-27
Spring 2004: 74-81; *Letters,* Summer 2004: 12-17
Spring 2004: 82-86; *Letters,* Summer 2004: 15-17
Engineering, *see* Industrial technology
Environmental protection
see also Air quality; Climate; Ecology; Environmental Protection Agency; Forests and forestry; Marine resources; Water quality; Wildlife
Bureau of Environmental Statistics, Winter 2004: 26-30;
Letters, Spring 2004: 5-6
food, genetically modified, Winter 2004: 49-56; *Letters,*
Spring 2004: 12-13
global energy policy, Summer 2004: 84-86
global environmental crisis, Summer 2004: 79-81
hydrogen fuel,
Spring 2004: 74-81; *Letters,* Summer 2004: 12-17
Spring 2004: 82-86; *Letters,* Summer 2004: 15-17
international public health standards, Winter 2004: 57-62
nuclear power, Spring 2004: 41-47
rivers, Spring 2004: 31-36; *Letters,* Summer 2004: 18
technological catastrophe, Fall 2003: 84-86
Environmental Protection Agency
coal, air quality issues, Winter 2004: 63-70; *Letters,*
Summer 2004: 20-21
R&D budget, general, Spring 2003: 29-33; *Letters,*
Fall 2003: 5-6

Europe
see also specific countries
genetically modified food, Winter 2004: 49-56; *Letters,* Spring 2004: 12-13

Faigman, David
polygraph validity; Fall 2003: 40-46; *Letters,* Winter 2004: 8-9
Federal budget
see also Funding; specific departments and agencies
FY 2004,
Fall 2003: 24
Spring 2004: 17-20
FY 2005,
Spring 2004: 17-20
Spring 2004: 21-25; *Letters,* Summer 2004: 17-18
FY 2006, Summer 2004: 23
policy, general,
Spring 2003: 29-33; *Letters,* Fall 2003: 5-6
Federal Energy Regulatory Commission
Summer 2004: 55-61
Fienberg, Stephen
polygraph validity, Fall 2003: 40-46; *Letters,* Winter 2004: 8-9
Ferguson, Charles
radioactive materials security, Fall 2003: 67-73; *Letters,* Winter 2004: 13-15
Finel, Bernard
WMD controls, Spring 2004: 90-93
Finneran, Kevin
policy and scientific advice, Spring 2004: 30
television, popular science, Fall 2003: 23
Finlay, Brian
WMD controls, Spring 2004: 90-93
Fish and fisheries
coral reefs, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
rivers, Spring 2004: 31-36; *Letters,* Summer 2004: 18
Flamm, Kenneth
"New Economy", critique, Fall 2003: 82-84
Floods
rivers, protection of, Spring 2004: 31-36; *Letters,* Summer 2004: 18
Florida
coral reefs, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
Food and Drug Administration
employees, outside employments, Summer 2004: 23-24
Food science
see also Agriculture; Nutrition
biotechnology,
genetically modified food, Winter 2004: 49-56; *Letters,* Spring 2004: 12-13
global food supply/shortage, Winter 2004: 93-95
nuclear technology, Spring 2004: 48-54

Foreign policy
see also Antarctica; Arms control; Asia; Central Intelligence Agency; Climate; Defense; Department of State; Developing countries; Europe; Terrorism; Trade; United Nations; specific countries
food supply/shortage, Winter 2004: 93-95
Winter 2004: 93-95
global energy policy, Summer 2004: 84-86
global environmental policy,
Winter 2004: 71-78; *Letters,*
Spring 2004: 6-8
Summer 2004: 20
nuclear power, Spring 2004: 37-40
public health standards, Winter 2004: 57-62; *Letters,* Spring 2004: 8-10
rivers, protection of, Spring 2004: 31-36; *Letters,* Summer 2004: 18
Forest policy,
Fall 2003: 59-66; *Letters,* Winter 2004: 15-16
Summer 2004: 41-48
Franklin, Jerry
forest policy,
Fall 2003: 59-66; *Letters,* Winter 2004: 15-16
Summer 2004: 41-48
Frodeman, Robert
humanities policy, Fall 2003: 29-32; *Letters,* Winter 2004: 17
Funding
see also Federal budget
Advanced Technology Program,
Spring 2004: 21-25; *Letters,* Summer 2004: 17-18
agriculture, Africa, Spring 2003: 86-92; *Letters,* Fall 2003: 14-19
Asian R&D efforts, statistics, Summer 2004: 75-78
humanities policy, Fall 2003: 29-32; *Letters,* Winter 2004: 17
nanotechnology, Winter 2004: 22-23
National Institutes of Health, Winter 2004: 18-20
R&D, general,
future policy,
Spring 2003: 29-33; *Letters,* Fall 2003: 5-6
practical results policy, Summer 2004: 26-30
semiconductor R&D, Winter 2004: 79-86; *Letters,* Spring 2004: 13-14
stem cell research,
Fall 2003: 27
supercomputing, federal promotion, Summer 2004: 25
Futurology
energy, market, futures, Spring 2004: 26-29; *Letters,* Summer 2004: 18-19
technological catastrophe, Fall 2003: 84-86

Gaulin, Ted
mines, explosive, Spring 2003: 69-73; *Letters,* Fall 2003: 19-21
Genetics
see also Biotechnology

criminal investigations, DNA,
Fall 2003: 47-54; *Letters,* Winter 2004: 9-13
Fall 2003: 55-58; *Letters,* Fall 2003-04: 8
coral reefs, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
discrimination, legislation, Winter 2004: 24
stem cells,
Fall 2003: 27
Winter 2004: 21-22
Giannelli, Paul,
crime labs, Fall 2003: 55-58; *Letters,* Fall 2003-04: 8
Government role, *see* Federal budget; Funding; State-level issues; specific departments and agencies

Hahn, Robert
cybersecurity, Spring 2003: 55-62; *Letters,* Fall 2003: 7-8
Harris, Elisa
biotechnology, hazards, Spring 2003: 47-54; *Letters,* Fall 2003: 6-7
Health care services
see also Medical science
genetic discrimination, Winter 2004: 24
international public health standards, Winter 2004: 57-62; *Letters,* Spring 2004: 8-10
Heinig, Stephen
federal funding, practical results policy, Summer 2004: 26-30
Higher education,*see* Universities
HIV, *see* AIDS

Ilic, Marija
electrical grid failure, Summer 2004: 55-61
Immigration and emigration
Asian R&D efforts, statistics on, Summer 2004: 75-78
social cohesion and economy, Winter 2004: 87-90
Imports and exports, *see* Trade
Industrial technology
see also Intellectual property
Bureau of Environmental Statistics, Winter 2004: 26-30; *Letters,* Spring 2004: 5-6
computer sector,
Winter 2004: 79-86; *Letters,* Spring 2004: 13-14
"New Economy", Spring 2004: 93-95
nuclear technology, Spring 2004: 48-54
university research parks, Fall 2003: 79-81
Intellectual property
Asian patents, statistics on, Summer 2004: 75-78
database copyright,
Winter 2004: 23-24
federal funding, practical results policy,
Summer 2004: 26-30
genetically modified food, Winter 2004: 49-56; *Letters,* Spring 2004: 12-13
"New Economy", historical perspectives,
Spring 2004: 93-95
patents, other,
Summer 2004: 49-54
International relations, *see* Arms control; Defense; Foreign policy; Trade
Internet
pornography, Winter 2004: 43-48; *Letters,* Spring 2004: 5
Isaacs, Tom
nuclear proliferation control, Spring 2004: 61-69; *Letters,* Summer 2004: 5-9

Japan
R&D growth statistics, Summer 2004: 75-78
Joeck, Niel
nuclear power, Spring 2004: 37-40
John, DeWitt
coal, air quality issues, Winter 2004: 63-70; *Letters,* Summer 2004: 20-21
Johnson, K. Norman
forest policy, Summer 2004: 41-48

Kahn, Laura
international public health standards, Winter 2004: 57-62; *Letters,* Spring 2004: 8-10
Kalil, Thomas
R&D funding, Spring 2003: 29-33; *Letters,* Fall 2003: 5-6
Kennedy, Donald
forensics, Fall 2003: 33-34
Kennedy, John F.
NAS Centennial, Fall 2003: 96
Kleiman, Mark
drug control policy, Summer 2004: 35-37
Korea, South
R&D efforts, statistics on, Summer 2004: 75-78
Korn, David
federal funding, practical results policy, Summer 2004: 26-30

Lave, Lester
electrical grid failure, Summer 2004: 55-61
Law and law enforcement
see also Drug policy; Intellectual property
crime labs, Fall 2003: 55-58; *Letters,* Fall 2003-04: 8
DNA testing,
Fall 2003: 47-54; *Letters,* Winter 2004: 9-13
Fall 2003: 55-58; *Letters,* Fall 2003-04: 8
drug distribution/use research, Summer 2004: 35-37
fingerprints, Fall 2003: 47-54; *Letters,* Winter 2004: 9-13
forensics,
Fall 2003: 33-34
Fall 2003: 35-39; *Letters,* Winter 2004: 5-8
Internet pornography, Winter 2004: 43-48; *Letters,* Spring 2004: 5
patent policy, Summer 2004: 49-54
polygraph validity, Fall 2003: 40-46; *Letters,* Winter 2004: 8-9
science and law,
Fall 2003: 33-34
Fall 2003: 35-39; *Letters,* Winter 2004: 5-8
Fall 2003: 40-46; *Letters,* Winter 2004: 8-9

Fall 2003: 47-54; *Letters,* Winter 2004: 9-13
Fall 2003: 55-58
television, popular science, Fall 2003: 23
Lehman, Ronald
nuclear power, Spring 2004: 37-40
Levi, Michael
nuclear terrorism, deterrence, Spring 2004: 70-73
tactical nuclear weapons, Spring 2003: 63-68; *Letters,* Fall 2003: 8-9
Lin, Herbert
Internet pornography, Winter 2004: 43-48; *Letters,* Spring 2004: 5
Link, Albert
university research parks, Fall 2003: 79-81
Logsdon, John
human spaceflight, Winter 2004: 31-34; *Letters,* Spring 2004: 10-12
Lubenau, Joel
radioactive materials security, Fall 2003: 67-73; *Letters,* Winter 2004: 13-15

MacKenzie, James J.
global energy policy, Summer 2004: 84-86
Marine resources
see also Fish and fisheries
coral reefs, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
oil pollution, Fall 2003: 74-78; *Letters,* Winter 2004: 16-17
Mass media, *see* Internet; Television
pornography, Winter 2004: 43-48; *Letters,* Spring 2004: 5
Matthew, Richard
mines, explosive, Spring 2003: 69-73; *Letters,* Fall 2003: 19-21
May, Michael
nuclear proliferation control, Spring 2004: 61-69; *Letters,* Summer 2004: 5-9
Medical science
see also Biological weapons; Health care services; National Institutes of Health
coral reefs, genetic resources, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
nuclear technology, Spring 2004: 48-54
public health, international standards, Winter 2004: 57-62; *Letters,* Spring 2004: 8-10
stem cell research,
Fall 2003: 27
Winter 2004: 21-22
Merrill, Richard
forensics, Fall 2003: 33-34
Military applications and policy, *see* Defense
Mitcham, Carl
humanities policy, Fall 2003: 29-32; *Letters,* Winter 2004: 17
Mnookin, Jennifer
fingerprints, Fall 2003: 47-54; *Letters,* Winter 2004: 9-13
Mokyr, Joel
"New Economy", Spring 2004: 93-95
Motor vehicles
hydrogen fuel,
Spring 2004: 74-81; *Letters,* Summer 2004: 12-17
Spring 2004: 82-86; *Letters,* Summer 2004: 15-17
Morgan, M. Granger
electrical grid failure, Summer 2004: 55-61
Munson, Richard
energy futures, Spring 2004: 26-29; *Letters,* Summer 2004: 18-19

Nanotechnology
ethical/social impact, Fall 2003: 28
National Aeronautics and Space Administration
human spaceflight,
Winter 2004: 31-34; *Letters,* Spring 2004: 10-12
Summer 2004: 38-40
R&D budget, FY 2005,
Spring 2004: 17-20
Spring 2004: 21-25; *Letters,* Summer 2004: 17-18
R&D funding, Spring 2003: 29-33; *Letters,* Fall 2003: 5-6
National Institute of Standards and Technology
Advanced Technology Program,
Spring 2004: 21-25; *Letters,* Summer 2004: 17-18
employees, outside employment, Summer 2004: 23-24
National Institutes of Health
budget, FY 2005, Spring 2004: 17-20
budget, FY 2006, Summer 2004: 23
R&D policy,
general, Winter 2004: 18-20
practical results timeframw, Summer 2004: 26-30
stem cell research,
Fall 2003: 27
National Oceanic and Atmospheric Administration
coral reefs, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
National Science and Technology Council
budget, FY 2005,
Spring 2004: 17-20
Spring 2004: 21-25; *Letters,* Summer 2004: 17-18
budget, FY 2006, Summer 2004: 23
National Science Foundation
budget, long-term,
Spring 2003: 29-33; *Letters,* Fall 2003: 5-6
Nolan, Janne
WMD controls, Spring 2004: 90-93
Nuclear power
Spring 2004: 41-48
historical perspectives,
Spring 2004: 37-40
Spring 2004: 96
policy general,
Spring 2004: 37-40
Spring 2004: 41-47
Spring 2004: 48-54
Summer 2004: 84-86
terrorism, materials security,
Fall 2003: 67-73; *Letters,* Winter 2004: 13-15

Spring 2004: 37-40
Spring 2004: 41-47
Spring 2004: 55-60; *Letters,* Summer 2004: 9-12
Spring 2004: 61-69; *Letters,* Summer 2004: 5-9
Spring 2004: 70-73
Spring 2004: 70-73
Nuclear weapons
see also Arms control
DOE,
labs,
Fall 2003: 24-26
historical perspectives, Spring 2004: 37-40
nuclear power technology and, Spring 1999: 29-33; *Letters,*
Spring 2004: 37-40
Spring 2004: 61-69; *Letters,* Summer 2004: 5-9
Spring 2004: 70-73
Spring 2004: 90-93
policy, general,
Spring 2004: 55-60; *Letters,* Summer 2004: 9-12
proliferation risks, Summer 2003: 73-75; *Letters,*
Winter 2004: 18
tactical nuclear weapons,
Spring 2004: 55-60; *Letters,* Summer 2004: 9-11
terrorism,
Fall 2003: 67-73; *Letters,* Winter 2004: 13-15
Spring 2004: 37-40
Spring 2004: 41-47
Spring 2004: 55-60; *Letters,* Summer 2004: 9-11
Spring 2004: 61-69; *Letters,* Summer 2004: 5-9
Spring 2004: 70-73
Spring 2004: 90-93

Office of Management and Budget
federal budget for R&D, 2006, Summer 2004: 23
peer review, Fall 2003: 26
Ogden, Joan
hydrogen fuel, Spring 2004: 82-86; *Letters,*
Summer 2004: 15-17
Oil production and supplies
pollution, Fall 2003: 74-78; *Letters,* Winter 2004: 16-17
energy policy, general,
Summer 2004: 84-86
marine pollution, Fall 2003: 74-78; *Letters,*
Winter 2004: 16-17
Osberg, Lars
social cohesion and economy, Winter 2004: 87-90

Paarlberg, Robèrt
genetically modified crops, Spring 2003: 86-92; *Letters,*
Fall 2003: 14-19
Paddock, Lee
coal, air quality issues, Winter 2004: 63-70; *Letters,*
Summer 2004: 20-21
Panofsky, Wolfgang
nuclear weapons proliferation risks, Summer 2003: 73-75;
Letters, Winter 2004: 18
Pardey, Philip
global food supply/shortage, Winter 2004: 93-95
Park, Robert
technological catastrophe, Fall 2003: 84-86
Patents,*see* Intellectual property
Pesticides
nuclear technology, Spring 2004: 48-54
Pielke, Roger
climate change,
Summer 2004: 31-34
humanities policy, Fall 2003: 29-32; *Letters,*
Winter 2004: 17
Political issues,*see* Federal budget
Population
see also Demography; Immigration and emigration
urban areas, small, Spring 2004: 87-89
Postel, Sandra
rivers, protection of, Spring 2004: 31-36; *Letters,*
Summer 2004: 18
Poverty
see also Welfare
urban poverty,
Spring 2004: 87-89
Pregnancy,*see* Contraception; Family planning
Preston, Anne
scientists, attrition remedies, Summer 2004: 69-74
Projections,*see* Futurology

Rabalais, Nancy
oil pollution, Fall 2003: 74-78; *Letters,* Winter 2004: 16-17
Real numbers,*see* Statistics
Rees, Martin
technological catastrophe, Fall 2003: 84-86
Richter, Brian
rivers, protection of, Spring 2004: 31-36; *Letters,*
Summer 2004: 18
Risinger, D. Michael
forensics, Fall 2003: 35-39; *Letters,* Winter 2004: 5-8
Romm, Joseph
hydrogen fuel, Spring 2004: 74-81; *Letters,*
Summer 2004: 12-17
Rosegrant, Mark
global food supply/shortage, Winter 2004: 93-95
Rosenberg, Adam
R&D budget, 2005, Spring 2004: 21-25; *Letters,*
Summer 2004: 17-18
Rosenzweig, Michael
biodiversity, Winter 2004: 90-93
Runge, C. Ford,
global food supply/shortage, Winter 2004: 93-95
Rural areas, *see* Agriculture
Russia
nuclear cooperation,
Spring 2004: 55-60; *Letters,* Summer 2004: 9-11

Saks, Michael
forensics, Fall 2003: 35-39; *Letters,* Winter 2004: 5-8

Schneider, William
nuclear weapons, new role, Spring 2004: 55-60; *Letters,* Summer 2004: 9-11
Schock, Robert
nuclear power, Spring 2004: 37-40
Science Advisory Board
expert panels, Spring 2003: 34-38; *Letters,* Fall 2003: 21-22
Senauer, Benjamin
global food supply/shortage, Winter 2004: 93-95
Shabecoff, Philip
Simon, Leslie
R&D budget, 2005, Spring 2004: 21-25; *Letters,* Summer 2004: 17-18
Smil, Vaclav
global energy policy, Summer 2004: 84-86
global food supply/shortage, Winter 2004: 93-95
Software
Africa, computer technology, Spring 2003: 79-85; *Letters,* Fall 2003: 13-14
electrical grid failure, Summer 2004: 55-61
pornography filters, Internet, Winter 2004: 43-48; *Letters,* Spring 2004: 5
security, Spring 2003: 55-62; *Letters,* Fall 2003: 7-8
South Korea
mines, explosive, Spring 2003: 69-73; *Letters,* Fall 2003: 19-21
Space sciences
see also National Aeronautics and Space Administration
human spaceflight,
Winter 2004: 31-34; *Letters,* Spring 2004: 10-12
Summer 2004: 38-40
military force transformation, Summer 2004: 62-68
Spencer, William
semiconductor industry, Winter 2004: 79-86; *Letters,* Spring 2004: 13-14
Sperling, Daniel
hydrogen fuel, Spring 2004: 82-86; *Letters,* Summer 2004: 15-17
Standards
see also Environmental protection
air quality, coal, Winter 2004: 63-70; *Letters,* Summer 2004: 20-21
Bureau of Environmental Statistics, Winter 2004: 26-30; *Letters,* Spring 2004: 5-6
fingerprints, Fall 2003: 47-54; *Letters,* Winter 2004: 9-13
forensics,
Fall 2003: 33-34
Fall 2003: 35-39; *Letters,* Winter 2004: 5-8
peer review, OMB, Fall 2003: 26
polygraph validity, Fall 2003: 40-46; *Letters,* Winter 2004: 8-9
public health, international standards, Winter 2004: 57-62; *Letters,* Spring 2004: 8-10
State-level issues
see also specific states
semiconductor R&D, Winter 2004: 79-86; *Letters,* Spring 2004: 13-14
Statistics
drug distribution/use research, Summer 2004: 35-37
environment, federal bureau proposed, Winter 2004: 26-30; *Letters,* Spring 2004: 5-6
university research parks, Fall 2003: 79-81
urban areas, small, Spring 2004: 87-89
Steinbruner, John
biotechnology, hazards, Spring 2003: 47-54; *Letters,* Fall 2003: 6-7
Stern, Paul
polygraph validity, Fall 2003: 40-46; *Letters,* Winter 2004: 8-9
Stewart. Richard
Kyoto Protocol, Winter 2004: 71-78; *Letters,* Spring 2004: 6-8
Summer 2004: 20
Substance abuse,*see* Drug policy
Talukdar, Sarosh
electrical grid failure, Summer 2004: 55-61
Taylor, John
nuclear power, policy on dangers, Spring 2004: 41-47
Telecommunications
see also Internet
military force transformation, Summer 2004: 62-68
Television
popular science, Fall 2003: 23
Terrorism
see also Department of Homeland Security
bioterrorism,
inadvertent creation of weapons, Spring 2003: 47-54; *Letters,* Fall 2003: 6-7
chemical weapons, nonlethal,
Spring 2003: 74-78; *Letters,* Fall 2003: 9-13
computer security,
Spring 2003: 55-62; *Letters,* Fall 2003: 7-8
federal response, Winter 2004: 20-21
military force transformation, Summer 2004: 62-68
nuclear materials security,
Fall 2003: 67-73; *Letters,* Winter 2004: 13-15
Spring 2004: 37-40
Spring 2004: 41-47
Spring 2004: 55-60; *Letters,* Summer 2004: 9-11
Spring 2004: 61-69; *Letters,* Summer 2004: 5-9
Spring 2004: 70-73
nuclear weapons proliferation,
Spring 2004: 61-69; *Letters,* Summer 2004: 5-9
Spring 2004: 70-73
Spring 2004: 90-93
technology and,
Fall 2003: 84-86
Thornberg, Dick
pornography, Winter 2004: 43-48; *Letters,* Spring 2004: 5
Torrey, Barbara Boyle
social cohesion and economy, Winter 2004: 87-90
Trade
Africa, genetically modified crops, Spring 2003: 86-92; *Letters,* Fall 2003: 14-19

coral reefs, protection of, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
food safety, including biotechnology, Winter 2004: 49-56; *Letters,* Spring 2004: 12-13
forest products, Summer 2004: 41-48
public health, international standards, Winter 2004: 57-62; *Letters,* Spring 2004: 8-10
semiconductors, Winter 2004: 79-86; *Letters,* Spring 2004: 13-14
Transportation, *see* Air transport; Motor vehicles
Tucker, Jonathan
WMD controls, Spring 2004: 90-93

United Nations
biological weapons, Spring 2004: 90-93
WMD controls, Spring 2004: 90-93
Universities
Africa, computer technology, Spring 2003: 79-85; *Letters,* Fall 2003: 13-14
Asian R&D efforts, statistics on, Summer 2004: 75-78
brain drain, Spring 2003: 79-85; *Letters,* Fall 2003: 13-14
research parks, Fall 2003: 79-81
scientists, attrition remedies, Summer 2004: 69-74
Urban areas
small, statistics on problems, Spring 2004: 87-89

Van Allen, James
human space flight, Summer 2004: 38-40

Waltar, Alan
nuclear technology, numerous uses, Spring 2004: 48-54
Water quality
coral reefs, Winter 2004: 35-42; *Letters,* Spring 2004: 14-16
forest policy, Fall 1999: 80-87; *Letters,* Summer 2004: 41-48
rivers, protection of, Spring 2004: 31-36; *Letters,* Summer 2004: 18
Wheelis, Mark
chemical weapons, Spring 2003: 74-78; *Letters,* Fall 2003: 9-13
Wiener, Jonathan
Kyoto Protocol, Winter 2004: 71-78; *Letters,* Spring 2004: 6-8
Summer 2004: 20
Wildlife
see also Fish and fisheries
general, Winter 2004: 90-93
Women
scientists, recruitment, Summer 2004: 69-74

Zachary, G. Pascal
computer technology, Africa, Spring 2003: 79-85; *Letters,* Fall 2003: 13-14